

<b>Program:</b>	<b>EGR.AS Engineering AS (60 credits)</b>	<b>Division:</b>	<b>STEM</b>
<b>Student:</b>		<b>ID#:</b>	<b>Catalog Year: 2021-22</b>

Developmental Education Courses (if required)				<input type="checkbox"/>	COM-017/019	Foundational Reading/Writing		
<input type="checkbox"/>	EAP-018	Intensive Academic English	<input type="checkbox"/>	MAT-020	Basics of College Math	<input type="checkbox"/>	COM-097	Academic Literacy I
<input type="checkbox"/>	EAP-050/060	EAP Reading I and Writing I	<input type="checkbox"/>	MAT-03_		<input type="checkbox"/>	COM-098	Academic Literacy II

#### SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion. Plans may be modified by adding more semesters.

SEMESTER 1 – Fall ( 14 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	CSS-103 *	College Success Strategies	3		All & OL
	EGR-104	Introduction to Engineering Design	3	MAT-110, COM-098 or EAP-050 and EAP-060	Fall
	CHE-150	Chemistry I	4	CHE-120 or high school chemistry with a “C” or better; MAT-110 with a “C” or better	Fall & Sp
	MAT-220*	Calculus I	4	MAT-180 or MAT-160 and MAT-165	Fall, Su & OL

SEMESTER 2 – Spring (14 - 18 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	COM-121 *	English Composition I	3	COM-098 or EAP-050 and EAP-060	All & OL
	EGR-102	Shop Machinery and Engineering Graphics	3	MAT-035	Sp
	MAT-221	Calculus II	4	MAT-220	Sp & Su
	PHY-250	Physics I	4	MAT-220	Fall & Sp
	EGR elective		1-4	See catalog	Sp

SEMESTER 3 – Fall (13 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	COM-141	Technical Writing	3	COM-098 or EAP-060 and EAP-050	All & OL
	COM-151*	Fundamentals of Speech	3	COM-098 or EAP-050 and EAP-060	All & OL
	BUS-200/201	Macro or Microeconomics	3	COM-121 or 122	All & OL
	MAT-222	Calculus III	4	MAT-221	Fall/Su

SEMESTER 4 – Spring (15 – 18 credits)					
√	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
	HUM-275	Introduction to Ethics	3	COM-121 or 122	All & OL
	PHY-255	College Physics II	4	PHY-250; MAT-221	Sp
	EGR-110	Programming for Engineers	3	MAT-220	Sp
	MAT-282	Ordinary and Partial Differential Equations	4	MAT-221	Sp & Su
	EGR elective	Engineering elective		See catalog	varies

\*Sections of these courses offered in the Honors Program, check <https://www.racc.edu/academics/honors-program> for details. **Online (OL)** may not be offered every semester. Please check the schedule.

**Engineering electives** – BIO150, BIO-155, CHE-155, CHE-250, MET-111, MET-130, MET-140A, MET-140B

Date created: September 2019	Updated: March 2021	All = Fall/Spring/Summer OL = Online
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